

09/094,008

List of Patents and Publications for Applicant's

Applicant
Delduca et al.

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
JWD	A1	1,475,396	11/23	Kestner	—	—	
	A2	1,679,543	08/28	Rector	426	124	
	A3	2,825,651	03/58	Ching C. Loo et al.	99	171	
	A4	3,363,395	01/68	King	53	112	
	A5	3,419,400	12/68	L. J. Hayhurst et al.	99	171	
	A6	3,467,244	09/69	Mahaffy et al.	206	45.34	
	A7	3,481,100	12/69	Bergstrom	53	22	
	A8	3,545,163	12/70	Mahaffy et al.	53	22	
	A9	3,574,642	04/71	Weinke	99	174	
	A10	3,634,993	01/72	Pasco et al.	53	22A	
	A11	3,650,775	03/72	Simon et al.	99	174	
	A12	3,679,093	07/72	Chang	220	90.2	
	A13	3,686,822	08/72	Wolfelsperger	53	22A	
	A14	3,750,362	08/73	Kishpaugh et al	53	22A	
	A15	3,788,369	01/74	Killinger	141	114	
	A16	3,792,181	02/74	Mahaffy et al.	426	123	
	A17	3,843,806	10/74	Kishpaugh et al.	426	106	
	A18	3,851,441	12/74	Marchand	53	116	
	A19	3,903,309	09/75	Mahaffy et al.	B65b	25/06	
	A20	4,083,372	04/78	Boden	131	8	
	A21	4,127,503	11/78	Yoshikawa et al	252	429	
	A22	4,141,487	02/79	Faust et al.	229	43	
	A23	4,166,807	09/79	Komatsu et al	252	439	
JWD	A24	4,192,773	03/80	Yoshikawa et al	252	429	

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Form PTO-1449 (modified)

Atty. Docket No.
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JWO	B1	4,201,030	05/80	Mahaffy et al.	53	432	
	B2	4,230,595	10/80	Yamaji et al	252	188	
	B3	4,242,659	12/80	Baxter et al.	338	28	
	B4	4,299,719	11/81	Aoki et al	252	188	
	B5	4,308,711	01/82	Mahaffy et al.	53	511	
	B6	4,317,742	03/82	Yamaji et al	252	188	
	B7	4,337,276	06/82	Nakamura et al	426	124	
	B8	4,340,138	07/82	Bernhardt	206	216	
	B9	4,349,999	09/82	Mahaffy et al.	53	128	
	B10	4,366,179	12/82	Nawata et al	426	395	
	B11	4,384,972	05/83	Nakamura	252	188.21	
	B12	4,406,813	09/83	Fujishima et al	252	188.28	
	B13	4,411,122	10/83	Cornish et al.	53	436	
	B14	4,411,918	10/83	Cimino et al	426	124	
	B15	4,424,659	01/84	Perigo et al.	53	425	
	B16	4,454,945	06/84	Jabarin et al.	206	524.3	
	B17	4,510,162	04/85	Nezat	426	124	
	B18	4,517,206	05/85	Murphy et al.	426	115	
	B19	4,524,015	06/85	Takahashi et al	252	188.28	
	B20	4,536,409	08/85	Farrell et al	426	398	
	B21	4,543,770	10/85	Walter et al.	53	511	
	B22	4,564,054	01/86	Gustavsson	141	329	
	B23	4,574,174	03/86	McGonigle	219	10.55M	
JWO	B24	4,579,223	04/86	Otsuka et al.	206	204	

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
JWP	C1	4,581,764	04/86	Plock et al.	383	101	
	C2	4,588,561	05/86	Aswell et al	422	238	
	C3	4,622,229	11/86	Toshitsugu	426	395	
	C4	4,622,239	11/86	Schoenthaler et al..	427	96	
	C5	4,645,073	02/87	Homan	206	219	
	C6	4,657,610	04/87	Komatsu et al.	156	87	
	C7	4,683,139	07/87	Cheng	426	265	
	C8	4,683,702	08/87	Vis	53	433	
	C9	4,685,274	08/87	Garwood	53	433	
	C10	4,711,741	12/87	Fujishima et al	252	188.28	
	C11	4,737,389	04/88	Hartsing, Jr. et al.	428	35	
	C12	4,740,402	04/88	Maeda et al	428	35	
	C13	4,756,436	07/88	Morita et al.	215	228	
	C14	4,762,722	08/88	Izumimoto et al.	426	124	
	C15	4,769,175	09/88	Inoue	252	188.28	
	C16	4,820,442	04/89	Motoyma et al	252	188.28	
	C17	4,830,855	05/89	Stewart	424	448	
	C18	4,830,863	05/89	Jones	426	118	
	C19	4,836,952	06/89	Nasu et al	252	188.28	
	C20	4,840,271	06/89	Garwood	206	213.1	
	C21	4,842,875	06/89	Anderson	426	118	
	C22	4,876,146	10/89	Isaka et al.	428	347	
	C23	4,877,664	10/89	Maeda et al	428	35.9	
JWO	C24	4,897,274	01/90	Candida et al.	426	127	

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JND	D1	4,908,151	03/90	Inoue et al	252	188.28	
	D2	4,910,032	03/90	Antoon, Jr.	426	118	
	D3	4,923,703	05/90	Antoon, Jr.	426	118	
	D4	4,928,474	05/90	Schirmer	53	425	
	D5	4,942,048	07/90	Nasu et al	426	271	
	D6	4,943,440	07/90	Armstrong	426	118	
	D7	4,949,847	08/90	Nagata	206	484.1	
	D8	4,952,451	08/90	Mueller	428	218	
	D9	4,956,209	09/90	Isaka et al.	428	35.2	
	D10	4,992,410	02/91	Cullen et al	502	407	
	D11	4,996,068	02/91	Hatakeyama et al	426	234	
	D12	5,019,212	05/91	Morita et al.	162	157.3	
	D13	5,021,515	06/91	Cochran et al.	525	371	
	D14	5,045,331	09/91	Antoon, Jr.	426	118	
	D15	5,049,624	09/91	Adams et al.	525	371	
	D16	5,064,698	11/91	Courtright et al.	428	35.4	
	D17	5,085,878	20/92	Hatakeyama et al	426	107	
	D18	5,096,724	03/92	Zenner et al	426	124	
	D19	5,101,611	04/92	Biskup et al.	53	433	
	D20	5,103,618	04/92	Garwood	53	433	
	D21	5,108,649	04/92	Matsumoto et al	252	188.28	
	D22	5,110,677	05/92	Barmore et al.	428	349	
	D23	5,112,674	05/92	German et al.	428	216	
JND	D24	5,115,624	05/92	Garwood	53	427	

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JWO	E1	5,116,660	05/92	Komatsu et al	428	192	
	E2	5,120,349	06/92	Stewart et al.	71	93	
	E3	5,120,585	06/92	Sutter et al.	428	34.2	
	E4	5,124,164	06/92	Matsumoto et al	426	398	
	E5	5,128,060	07/92	Ueno et al	252	184	
	E6	5,129,512	07/92	Garwood	206	213	
	E7	5,132,151	07/92	Graney	428	40	
	E8	5,135,787	08/92	Bair	428	36.1	
	E9	5,139,702	08/92	Carter et al	252	392	
	E10	5,143,763	09/92	Yamada et al	428	36.2	
	E11	5,143,769	09/92	Moriya et al	428	76	
	E12	5,145,950	09/92	Funaki et al.	528	481	
	E13	5,151,331	09/92	Beeson et al.	428	475.5	
	E14	5,153,038	10/92	Koyama et al	428	35.8	
	E15	5,155,974	10/92	Garwood	53	510	
	E16	5,158,537	10/92	Haak et al	604	20	
	E17	5,171,593	12/92	Doyle	426	106	
	E18	5,176,849	01/93	Hwa et al.	252	392	
	E19	5,176,930	01/93	Kannankeril et al	426	124	
	E20	5,183,573	02/93	Kreh et al.	210	697	
	E21	5,183,574	02/93	Hwa et al.	210	701	
	E22	5,183,848	02/93	Samuel et al.	525	57	
	E23	5,186,991	02/93	Samuel et al.	428	35.8	
JWO	E24	5,194,315	03/93	Itoh	428	178	

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JWO	F1	5,202,052	04/93	Zenner et al	252	188.28	
	F2	5,204,389	04/93	Hofeldt et al.	524	72	
	F3	5,207,943	05/93	Cullen et al	252	188.28	
	F4	5,211,875	05/93	Speer et al.	252	188.28	
	F5	5,223,146	06/93	Kreh	210	698	
	F6	5,226,531	07/93	Garwood	206	213	
	F7	5,226,735	07/93	Beliveau	383	103	
	F8	5,227,411	07/93	Hofeldt et al.	523	100	
	F9	5,236,617	08/93	Ueno et al	252	188.28	
	F10	5,239,016	08/93	Cochran et al	525	371	
	F11	5,241,149	08/93	Watanabe et al.	219	10.55 E	
	F12	5,242,111	09/93	Nakoneczny et al	239	47	
	F13	5,244,600	09/93	Cuisia et al.	252	396	
	F14	5,247,746	09/93	Johnson et al.	53	432	
	F15	5,250,310	10/93	Fujino et al	426	124	
	F16	5,254,354	10/93	Stewart	426	106	
	F17	5,258,537	11/93	Takeuchi et al.	556	467	
	F18	5,262,375	11/93	McKedy	502	406	
	F19	5,270,337	12/93	Graf	514	499	
	F20	5,284,871	02/94	Graf	514	499	
	F21	5,286,407	02/94	Inoue et al.	252	188.28	
	F22	5,288,907	02/94	Sherwin et al.	564	301	
	F23	5,290,268	03/94	Oliver et al	604	359	
JWO	F24	5,296,291	03/94	Mueller	428	349	

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JWD	G1	5,310,497	05/94	VeSpeer et al.	252	188.28	
	G2	5,320,598	06/94	Haak et al	604	20	
	G3	5,322,701	06/94	Cullen et al.	426	124	
	G4	5,323,590	06/94	Garwood	53	433	
	G5	5,334,405	08/94	Gorlich	426	396	
	G6	5,346,312	09/94	Mabry et al.	383	113	
	G7	5,346,644	09/94	Speer et al.	252	188.28	
	G8	5,348,752	09/94	Gorlich	426	124	
	G9	5,350,622	09/94	Speer et al.	428	215	
	G10	5,362,531	11/94	Samuel et al.	428	36.6	
	G11	5,364,555	11/94	Zenner et al	252	188.28	
	G12	5,364,669	11/94	Sumida et al.	428	1	
	G13	5,378,428	01/95	Inoue et al	422	9	
	G14	5,390,475	02/95	Iwauchi et al.	53	474	
	G15	5,399,289	03/95	Speer et al.	252	188.28	
	G16	5,418,112	05/95	Mirle et al.	430	269	
	G17	5,422,366	06/95	Mintzis et al.	514	474	
	G18	5,425,896	06/95	Speer et al.	252	188.28	
	G19	5,430,098	07/95	Samuel et al.	525	57	
	G20	5,443,727	08/95	Gagnon	210	490	
	G21	5,491,019	02/96	Kuo	428	213	
	G22	5,492,705	02/96	Porchia et al.	426	106	
	G23	5,492,742	02/96	Zenner et al	428	35.2	
JWD	G24	5,498,364	03/96	Speer et al.	252	188.28	

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JWD	H1	5,510,166	04/96	Inoue et al.	428	76	
	H2	5,514,392	05/96	Garwood	426	106	
	H3	5,529,833	06/96	Speer et al.	428	215	
	H4	5,580,573	12/96	Kydonieus et al.	424	449	
	H5	5,585,129	12/96	Geddes et al.	426	394	
	H6	5,631,036	05/97	Davis	426	396	
	H7	5,638,660	06/97	Kuo	53	449	
	H8	5,639,815	06/97	Cochran et al.	524	413	
	H9	5,643,625	07/97	Perry et al.	426	395	
	H10	5,648,020	07/97	Speer et al.	252	188.28	
	H11	5,660,761	08/97	Katsumoto et al.	252	188.28	
	H12	5,665,822	09/97	Bitler et al.	525	92 C	
	H13	5,667,827	09/97	Breen et al.	53	432	
	H14	5,667,863	09/97	Cullen et al.	428	68	
	H15	5,672,406	09/97	Challis et al.	428	136	
	H16	5,686,126	11/97	Noel et al.	426	127	
	H17	5,686,127	11/97	Stockley, III et al.	426	129	
	H18	5,698,250	12/97	DelDuca et al.	426	124	
	H19	5,700,554	12/97	Speer et al.	428	220	
JWD	H20	5,711,978	01/98	Breen et al.	426	129	

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Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
TWO	I1	EP 457457	04/91	Europe EPO			X
	I2	92/4298	06/92	Dr. Muelenaers et al. South Africa			X
	I3	JP 06343815	12/94	Japanese Japan			X
TWO	I4	JP 06278774	10/94	Japanese Japan			X

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
TWO	I5	Brochure: Fuji-Formost FW-3700 "High Speed Horizontal Form-Fill Seal Machine", 1992
	I6	Brochure: Multiform Disiccants Inc., "FreshPax Oxygen Absorbing Packets, 1994
	I7	"Longer Product Shelf Life Using Modified Atmosphere Packaging" Nancy Muller, The National Provisioner, 2-1-86, pp. 19-23
	I8	"Controlled and Modified Atmosphere Packaging," Fran Labell, January, 1985, Food Processing, pp. 152-154
	I9	List of Oxygen Absorber References, p. 1-32, Unlabeled
	I10	Leward, D.A., "Metmyoglobin Formation in Beef Stored in Carbon Dioxide Enriched and Oxygen Depleted Atmospheres," Journal of Food Science Volume 35 pp. 33-37 (1970)
	I11	Gill, C. O., et al., "The Use of Oxygen Scavengers to Prevent Transient Discolouration of Ground Beef Packaged Under Controlled, Oxygen-depleted Atmospheres," Meat Science, Volume 41, No. 1, pp. 19-27, (1995)
TWO	I12	Gill, C. O., "Extending the Storage Life of Raw Chilled Meats," Elsevier Science Ltd., S99-S109 (1990)

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